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United States Department of Agriculture
Bureau of Markets

SEED REPORTER

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ANNOUNCEMENT.

In accordance with the provisions contained in section 2, of an Act of Congress (Public No. 40, 65th Congress), approved August 10, 1917, the Chief of the Bureau of Markets of the United States Department of Agriculture, has been authorized and instructed as an agent of the Secretary of Agriculture, to take such steps as may be necessary to obtain authoritative information regarding the matters authorized to be investigated under that section.

The Seed Reporting Service has been established pursuant to sections 2 and 8, of the Act, to obtain such information concerning seeds, as may seem necessary or desirable.

The Seed Reporter is printed at, and mailed from, Chicago. The regular monthly issue is mailed usually on the first Saturday after the fourth of the month. Persons or concerns wishing to receive it regularly as issued should send name and address to the Seed Reporting Service, Bureau of Markets, U. S. Department of Agriculture, Washington, D. C. A copy of the current issue will be furnished on application to the field office of the Seed Reporting Service, 59 Board of Trade Building, Chicago, Ill., to anyone after, but not before, nine o'clock of the morning of the first business day following date of mailing.

CHARLES J. BRAND, Chief, Bureau of Markets.
W. A. WHEELER, in Charge, Seed Reporting Service.

SEEDS PLACED ON PREFERENCE LIST BY WAR INDUSTRIES BOARD.

On September 3, 1918, the Priorities Division of the War Industries Board issued Preference List No. 2 (Circular No. 20), which supersedes Preference List No. 1, issued April 6, 1918, and all amendments and supplements thereto. Preference List No. 1 included seeds but they were omitted from the later list.

Since Preference List No. 2 was issued, the Priorities Division has given careful consideration to the importance of the seed industry and has concluded to place seeds in Class III of the Preference List under the following rating:

"Seeds (Class III).—Plants engaged principally in assembling, cleaning, treating, preparing, storing and shipping seeds for growing food and feed, and for growing medicinal and chemical plants (excluding flower seed as such)."

IMPORTS OF HEMP SEED, CANARY SEED, AND ALFALFA SEED RESTRICTED.

According to War Trade Board Ruling 231, dated September 16, 1918, hemp seed, canary seed, and alfalfa seed have been placed on the list of restricted imports. All outstanding licenses for the importation of these seeds have been revoked, and importation of canary seed and hemp seed by ocean shipment from abroad has been totally prohibited unless ocean shipment was made on or before September 18, 1918.

The ruling states further that "no licenses will hereafter be issued for the importation of alfalfa seed for ocean shipment from abroad after September 18, 1918, except for such shipments as the Seed Stocks Committee of the Department of Agriculture may approve, and application therefor must be submitted to the Seed Stocks Committee for its recommendation before action thereon is taken."

Vegetable Seed Export Inquiry.

The Seed Reporting Service of the Bureau of Markets frequently is called upon to advise the War Trade Board relative to the granting of licenses for the export of vegetable seeds. In order that this might be done intelligently and expeditiously, it seemed desirable at this time to ascertain facts as to the kinds and total quantities of vegetable seeds for which export licenses are desired. These facts will be considered in connection with information as to the available supplies and probable consumption, and can be used as a basis for advising the War Trade Board relative to granting export licenses. With this end in view an inquiry has been made by the Seed Reporting Service as to the exports of vegetable seeds to Canada, our other allies, and neutral countries.

This inquiry has been sent to large seedsmen and exporters of vegetable seeds. The major part of these reports, which were of a purely voluntary nature, has been received and partially tabulated. Among the questions asked in this inquiry were: (1) Quantities of seed exported during year ending July 1, 1918; (2) bona fide export orders received for shipment between July 1, 1918, and July 1, 1919; (3) quantity covered by question 2 which was shipped between July 1, 1918, and September 15, 1918; (4) probable export shipments on orders covered by question two, for which export licenses will be requested, to be made between September 15, 1918, and July 1, 1919; (5) estimated probable quantity of seed which will be exported on which orders have not been received; and (6) percentage of seed covered by question two which was grown from foreign-grown stock.

Complete figures have not yet been compiled from this inquiry, but it may be said that a large increase in exports over 1917 is contemplated this year by a number of concerns. This increase amounts in certain cases to five or six times the amount exported in 1917. The very few cases in which decreased exports are noted would seem to be mostly in those kinds which are in short supply this year.

As soon as the results of this inquiry are available, it is planned to call a conference with a representative of the War Trade Board and all applications which have been listed will be considered at that conference. Immediately thereafter the War Trade Board will act on all applications that are in its hands. It is important, therefore, that all seedsmen and exporters who contemplate making foreign shipments of vegetable seed this year, whether they have received inquiries or not, should immediately notify the Seed Reporting Service of such contemplated exports, together with the data previously indicated as within the scope of the inquiry.

CORRECTIONS IN TABLES PUBLISHED IN THE ISSUE OF THE SEED REPORTER FOR SEPTEMBER 7, 1918.

A portion of the table giving "Estimated acreage, yield and prices of medium red clover and alsike clover seed" was pied by the printers, thus causing this portion to be published incorrectly. Corrections should be made in the third and fourth columns of figures for the first nine districts. The figures for each of these columns for the nine districts beginning at the top should read, respectively, as follows: Third column, 100, 110, 100, 45, 120, 100, 120, 100, 105; fourth column, 50, 100, 90, 50, 90, 100, 90, 100, 90. One other error was made in the same table in giving the name of a district as "E. New York" instead of "W. New York."

With the table on page 2, covering "Tabulated summary of vegetable seed crop conditions," reference marks were indicated and two footnotes were given which should have been omitted.

DAMAGE BY RAIN TO CALIFORNIA VEGETABLE-SEED CROPS.

Rains on September 12, 13, and 14 damaged certain vegetable-seed crops in California that were curing in the fields. In the central part of the State these rains were especially heavy, amounting in the three days to 3.44 inches at Sacramento and 2.56 inches at San Francisco, while Los Angeles received only .10 inches of rain during the same period. Rain seldom falls in appreciable quantities during the months of September and October in central and southern California, and for this reason many of the growers were totally unprepared for it. An accompanying table gives the precipitation for a ten-year period during September and October.

The opinions of growers vary widely as to the extent of the damage caused by the rain, many stating that the total damage will be slight owing to the fact that much of the seed was only partially cured at the time of the rain, while other growers believe the damage will be considerable. Telegraphic reports from California dated September 26, indicate that, owing to the good drying weather following the rains, the total damage to the vegetable-seed crops will not be so great as was at first anticipated.

A portion of the seed crops was in the warehouses at the time of the rain, varying with the locality and crop. Practically all of the spinach and beet seed was in warehouses, and one of the large growers stated that he had all of his seed under cover at the time of the rain. More carrot seed was reported in the fields than any other vegetable.

It has been estimated that 50 per cent of the onion seed was in the fields and damaged more or less by the rain. Growers consider that this damage will lower somewhat their previous estimates of the yield of onion seed per acre this season.

There was a considerable acreage of standing lettuce in the fields, much of which was of foreign varieties. As a result of the rains this will be almost a total loss according to the reports received from the growers. There may be an acute shortage in some varieties of lettuce seed as the estimated condition of this crop, as published in the August 10 issue of the Seed Reporter, was unsatisfactory, 84 per cent of the 7,249 acres reporting being classed as "Poor."

A possible decrease in the onion seed acreage for 1919 is anticipated owing to the short supply of bulbs for fall planting. The Bureau of Crop Estimates places the amount of onion bulbs in the field, mostly sacked, that were exposed to the rain at 60 per cent of the crop, all of which may be more or less damaged by black mould and sprouting. The greatest shortage is anticipated in the white varieties, while Australian Brown and Yellow Globe are reported to be in fair supply.

PRECIPITATION FOR THE MONTHS OF SEPTEMBER AND OCTOBER.

Points in California.	1918 Inches	1917 Inches	1916 Inches	1915 Inches	1914 Inches	1913 Inches	1912 Inches	1911 Inches	1910 Inches	1909 Inches
Precipitation for the Month of September.										
Eureka	1.41	.66	.38	.11	1.82	.48	2.40	.20	.01	.61
Hollister	4.15	.00	.51	.02	.00	.02	.15	.03	.23	.06
Los Angeles	.52	T	.77	T	.00	.03	.00	1.23	.01	.04
Sacramento	3.56	.51	.16	T	.00	.00	1.25	.00	.20	.21
San Jose	6.33	.01	.78	.00	.00	.00	.71	.00	.09	.75
Santa Rosa	2.52	.33	.32	.00	.07	....	2.99	T	.01	1.29
Stockton	.61	.17	.17	.00	T	T	1.39	.29	.40	.07
San Francisco	2.56	.02	1.20	.00	T	.00	1.25	T	.05	.80
Precipitation for the Month of October.										
Eureka	.....	.00	.47	.79	3.70	.88	1.55	1.60	.8	3.78
Hollister	.....	.00	1.46	.00	.50	.00	.22	.22	.18	.66
Los Angeles	.....	.00	2.71	.00	.31	T	.56	.16	.80	.28
Sacramento	.....	T	.79	T	.82	.13	.58	.18	.28	1.27
San Jose	.....	.00	.84	.00	.50	.02	.21	.80	.20	.72
Santa Rosa	.....	.00	1.17	.20	1.91	.....	1.47	....	.68	1.73
Stockton	.....	.00	1.08	.00	1.20	T	.40	.03	.21	1.06
San Francisco	.....	.00	.52	.01	.29	.35	.49	.28	.65	1.23

Millet Seed Outlook.

From inquiries made in the millet-seed producing sections it seems that the acreage that will be cut for seed will be a little more than one-half the acreage normally cut for seed and about three-fourths of the acreage cut last year for seed. The yield per acre on all millets is estimated by those reporting to be 75 per cent of a normal yield and about 80 per cent of last year's. Many correspondents have stated that a larger percentage of the millet acreage will be cut for hay this year than usual, and drouth in some important seed-producing sections has further reduced the acreage that ordinarily would have been cut for seed.

The 1918 golden millet (formerly known as German millet) acreage to be cut for seed in Tennessee probably will be about 70 and 95 per cent respectively of the acreage normally cut for seed and that cut for seed in 1917. The yield per acre of the 1918 crop is estimated by those reporting to be 70 and 80 per cent, respectively, of the normal and 1917 yield. In the West Central Division and portions of the Divisions to the south and west of this Division the acreage and yield per acre of golden millet appear to be even more decreased than in Tennessee.

The reports from the broom-corn millet-seed producing area in the North Central Division indicate that the acreage to be cut for seed and the yield per acre this year will be about the same as last year.

From the small number of reports received concerning the Japanese millet seed crop it would seem that a greatly reduced acreage would be harvested this year.

Only a few reports indicate that more than 50 per cent of the acreage of common, Siberian and Hungarian millet normally cut for seed will be cut for seed this year. The decrease in acreage may be even more marked than in the case of golden millet.

There appears to be little or no inclination on the part of growers to sell the small percentage of the 1918 crop of millet seed that had been harvested at the time inquiries were made (about September 20). In Tennessee, growers are reported as being paid $4.00 per 100 pounds for golden millet. In other millet-seed producing States, growers are being bid from $2 to $4 per 100 pounds, depending upon the kind and quality of the seed, and also upon the locality where it is grown.

The stocks of golden, common, Siberian, and broom-corn millet seed in dealers' hands on July 1, 1918, were shown by the figures compiled from the Seed Survey of July 1, 1918, and published in the September issue of the Seed Reporter, to be greater than those on a corresponding date last year, whereas the stocks of Hungarian and Japanese millet seed were found to be less. The figures covering the carry-over of millet seed on July 1, 1918, and July 1, 1917, respectively, were published as follows:

Golden millet	6,189,273	pounds and	4,256,607	pounds
Common millet	2,055,171	pounds and	1,136,528	pounds
Siberian millet	645,417	pounds and	537,319	pounds
Hungarian millet	201,700	pounds and	318,320	pounds
Japanese millet	992,066	pounds and	1,697,307	pounds
Broom-corn millet	1,169,996	pounds and	524,868	pounds

IMPORTS OF FIELD, VEGETABLE, AND FLOWER SEEDS INTO THE UNITED STATES.

A comparison of the annual imports for pre-war and war periods. Compiled from data obtained from the Bureau of Foreign and Domestic Commerce of the United States Department of Commerce.

KIND OF SEED.	Imports, first year of U. S. war, year ending June 30, 1918.	Average annual imports, 3-year war period ending June 30, 1917.	Average annual imports, pre-war period ending June 30, 1914.**
	Pounds.	Pounds.	Pounds.
Beet—Sugar	15,636,541	13,135,456	11,616,300
Beet—"All other"	447,878	753,376	819,715
Cabbage	83,210	270,470	252,528
Carrot	32,500	46,651	149,724
Castor beans*	58,048,090	46,060,550	43,818,060
Cauliflower	7,969	9,963	8,711
Celery*	167,684	667,695	199,358
Collard	17	3,073	667
Corn salad	1,945	4,843	7,068
Eggplant	2,069	1,057	1,795
Kale	8,016	34,965	30,326
Kohl-rabi	16,770	12,025	21,409
Mushroom spawn	16,923	79,234	279,064
Mustard*	13,035,837	12,174,056	10,819,715
Parsley*	66,494	82,283	118,112
Parsnip	7,065	88,477	89,702
Pepper	21,884	11,729	14,515
Radish	102,735	326,344	491,097
Spinach	804,789	869,321	1,241,758
Turnip and rutabaga	2,150,965	1,664,728	1,735,033
Flower seeds***	$126,422	$198,512	$239,371
Alfalfa	87,244	3,996,613	7,301,712
Alsike clover	3,665,037	2,042,314	6,057,196
Crimson clover	1,601,503	6,765,753	8,537,597
Red clover	861,709	15,968,322	12,328,449
White clover	.....	230,073	1,263,881
Clovers—"All other"	2,062,429	2,654,762	4,801,686
Grasses—"All other"	5,618,204	11,888,185	16,644,424
Hairy (winter) vetch	178,766	265,001	2,948,075
Common (spring) vetch	.....	65,179	753,705
Rape*	12,673,276	6,663,615	5,668,952
Soy beans*	31,812,997	4,061,755	1,929,435

*Imported both for planting and other purposes.

**The pre-war period from which this average has been computed includes five years from June 30, 1909, to June 30, 1914, for the first 21 items covering vegetable and flower seeds, and three years from June 30, 1911, to June 30, 1914, for the remaining items covering field seeds, except soy beans for which the imports only for the year ending June 30, 1914, of that period are available.

***Figures given indicate value in dollars instead of quantity in pounds.

Report of Commercial Field Seed Stocks, Sales and Seed Requirements for the United States.

Seed Survey of July 1, 1918.

The tabulation of section 4, "Field seeds of those kinds commonly used for food, feed, or manufacturing purposes," of the Seed Survey of July 1, 1918, combined with information from other sources relative to planting requirements, is given herewith. A fuller explanation of the figures in this table is given in the following paragraphs than the space would permit in the column headings.

(a) Stock on Hand.—These figures include those stocks reported as suitable for seed purposes by those who indicated that they handle seed of such kinds for planting.

(b) Sales for Planting.—These figures include the quantities given by those reporting in the survey as "sold for planting purposes." In the main it is thought that these figures represent approximately the quantities sold for planting in the various divisions. It is apparent, however, that with some crops the quantities indicated as sold for seed are considerably larger than the quantity required for planting in the same division. In some cases the excess is even greater than that required for other divisions in which the same crop is grown, as determined from other sources. This apparent discrepancy may be due to several factors. Some may be inclined to report total sales rather than only those made for planting purposes. Some seeds may be sold presumably for planting purposes, which were not used in this way even though they were originally intended for planting. In some cases there may be a large duplication of reports on the same stocks of seed which passed through several different hands from producer to consumer. Some of these factors are apparently operative in the report for kafir, milo, feterita and other grain sorghums. All of the reports that have come from dealers have been carefully edited and many corrections and eliminations have been made where the figures appeared to be decidedly at variance with the facts as shown by information from other sources.

(c) Required for Planting.—Wherever information has been available from which it was possible to estimate or compute approximately the quantity required of each crop for planting the acreage in each division, figures have been given indicating the estimated quantity required for planting. Most of these figures have been computed from data furnished or published by the Bureau of Crop Estimates.

(d) Percentage Sold Commercially.—The percentage given here represents the percentage of the indicated total requirements that has been sold commercially by the concerns reporting in the survey, as indicated by the quantities in column *"b"*. It would be expected that this percentage would always be under 100. This is not necessarily the case, because the dealers may sell a large quantity of seed for planting outside of the division in which they are located, and the figures representing sales for planting simply represent the sales within the division without regard to the actual planting requirements of such division. These figures indicating percentage mean considerably more to the experienced dealer in the case of some seeds than others. The seed of some crops normally passes through a number of hands while the seed of other crops normally passes through fewer hands. In the latter case, the percentage figures would more nearly represent a real comparison of the percentage of the total requirements of the entire country which really passed through commercial hands before being planted.

It is thought that these figures will be of considerable interest and value to seed dealers in determining certain relationships between their own business and the business of the division and with the total requirements.

CROP.	Geographic Division.		Number Reporting.	(a) Stock on Hand.		(b) Sales for Planting.		(c) Required for Planting.		(d) Percentage Sold Commercially.	
				July 1, 1918	July 1, 1917	12 months ending July 1, 1918	12 months ending July 1, 1917	1918	1917	1918	1917
	No.	Name.		Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Percent.	Percent.
WHITE FIELD BEANS...	1	North Atlantic	43	381,174	123,926	610,216	969,148	9,000,000		10.8	
	2	Middle Atlantic	8	65,660	53,935	182,951	124,195	600,900		20.7	
	3	Southeastern	13	21,934	5,008	54,560	37,798	350,000		10.8	
	4	East Central	63	431,593	498,863	1,138,199	1,817,344	33,000,000		5.5	
	5	North Central	31	131,206	60,638	285,021	819,090	2,000,000		41.	
	6	West Central	29	158,161	208,600	175,543	401,171	2,000,000		20.1	
	7	Southwestern	10	27,775	5,368	31,236	12,479	600,000		2.1	
	8	Rocky Mountain	13	150,572	11,825	49,139	194,881	16,000,000		1.2	
	9	North Pacific	18	101,807	27,234	279,119	146,116	3,500,000		4.2	
	10	South Pacific	11	94,551	74,959	302,635	550,953	9,000,000		6.1	
		United States	239	1,564,833	1,070,362	3,108,919	5,073,175	76,050,000		6.7	
PINTO BEANS	6	West Central	13	16 787	2,310	29,906	27,316	500,000		5.5	
	7	Southwestern	76	401 067	60,374	93,330	72,200	15,000,000		.5	
	8	Rocky Mountain	15	62,961	69,026	3,828,077	1,010,889	16,000 000		6.3	
	10	South Pacific	7	18,044	9,375	54,170	3,395	150,000		2.3	
		Other Divisions	14	15,929	10,932	28,740	29,014	400,000			
		United States	65	514,728	151,717	4,034,823	1,142,814	32,050,000		3.6	
RED KIDNEY BEANS...	1	North Atlantic	34	45,442	18,191	77,294	85,500	5,000,000		1.7	
	4	East Central	24	46,277	11,443	82,559	106,538	1,300,000		8.2	
	10	South Pacific	9	38,624	13,613	12,123	23,198	1,200,000		1.9	
		Other Divisions	24	37,721	11,442	23,926	24,566	1,240,000			
		United States	91	165,064	54,389	195,902	239,902	8,740,000		2.7	
LIMA BEANS	1	North Atlantic	49	243,441	230,388	1,261,220	982,131				
	2	Middle Atlantic	16	59,841	31,769	127,126	168,200				
	3	Southeastern	28	33,736	42,642	171,040	233,588				
	4	East Central	29	194,468	156,752	488,536	567,649				
	6	West Central	22	49,070	37,867	153,131	164,152				
	7	Southwestern	13	12,770	11,862	31,681	32,740				
	10	South Pacific	12	128,244	171,684	2,246,141	2,073,171				
		Other Divisions	18	13,056	11,335	16,730	30,293				
		United States	187	794,626	694,299	4,495,605	4,251,924				
SOY BEANS	1	North Atlantic	37	112,319	59,152	404,707	287,420	1,094,000	914,000	37.0	31.4
	2	Middle Atlantic	44	1,384,804	989,914	7,563,259	12,199,323	11,382,000	10,212,000	66.4	119.5
	3	Southeastern	38	616,942	65,887	2,816,655	3,338,127	6,570,000	4,560 600	42.9	73.2
	4	East Central	55	1,644,616	324,696	1,311,004	2,362,418	14,430,000	13,998,000	9.1	16.9
	5	North Central	12	8,060	931	103,228	54,546	405,000	405,000	25.5	13.5
	6	West Central	27	411,228	77,826	738,464	602,246	1,440,000	1,440,000	51.3	41.8
	7	Southwestern	15	115,113	21,548	399,807	57,542	1,167,000	900,000	34.3	6.4
		Other Divisions	8	44,701	824	61,847	26,437				
		United States	236	4,337,783	1,540,778	13,398,971	18,928,559	36,488,000	32,429,000	36.7	58.4
CANADA FIELD PEAS..	1	North Atlantic	56	445,151	410,652	1,634,964	1,810,842				
	2	Middle Atlantic	13	43,126	23,057	256,134	287,839				
	3	Southeastern	13	77,874	14,970	529,579	469,515				
	4	East Central	42	812,157	287,039	1,696,524	3,992,279				
	5	North Central	29	1,915,591	345,366	2,645,114	1,759,695				
	6	West Central	17	98,820	19,987	150,262	138,730				
	7	Southwestern	9	31,196	25,344	23,659	21,618				
	8	Rocky Mountain	8	131,033	121,401	884,673	827,985				
	9	North Pacific	27	357,474	115,451	2,701,218	2,268,117				
	10	South Pacific	5	68,652	3,886	142,047	203,581				
		United States	219	3,981,074	1,367,153	10,664,174	11,780,111				

REPORT OF COMMERCIAL FIELD SEED STOCKS, SALES AND FEED REQUIREMENTS FOR THE UNITED STATES.—Continued.

CROP.	GEOGRAPHIC DIVISION.		Number Reporting	(a) Stock on Hand.		(b) Sales for Planting.		(c) Required for Planting.		(d) Percentage Sold Commercially.	
				July 1, 1918	July 1, 1917	12 months ending July 1, 1918	12 months ending July 1, 1917	1918	1917	1918	1917
	No.	Name.		Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Percent.	Percent.
VELVET BEANS	2	Middle Atlantic	19	113,543	100,157	534,759	416,672	6,864,000	7,696,000	7.8	5.4
	3	Southeastern	85	544,323	341,560	3,860,998	3,112,815	114,400,000	111,930,000	3.4	2.8
	7	Southwestern	12	5,418	5,772	56,613	40,739	969,000	650,000	5.8	6.3
		Other Divisions	14	93,301	6,515	104,139	8,331	.....	.....	.....	.....
		United States	140	757,185	454,004	4,556,509	3,578,557	122,233,000	120,276,000	3.7	3.0
COWPEAS	1	North Atlantic	37	111,642	126,943	590,663	771,408	648,000	648,000	91.2	119.0
	2	Middle Atlantic	74	697,317	1,746,916	13,133,980	9,734,868	70,536,000	69,285,000	18 6	14.1
	3	Southeastern	217	4,980,245	969,778	41,971,961	34,058,811	206,286,000	198,223,000	20.3	17.2
	4	East Central	60	1,845,839	626,357	12,134,706	9,814,466	23,022,000	22,086,000	52.7	44.4
	6	West Central	43	1,559,279	271,057	5,290,484	6,401,153	2,700,000	2,700,000	195.9	237.1
	7	Southwestern	54	586,002	105,161	1,666,218	1,385,256	98,316,000	94,266,000	1.7	1.5
		Other Divisions	25	48,197	62,108	159,616	504,592	.....	.....	.....	.....
		United States	510	9,828,521	3,908,320	74,947,568	62,670,554	401,508,000	387,213,000	18.7	16.2
KAFIR	2	Middle Atlantic	8	107,655	38,431	201,779	302,218	**	**	.....	.....
	3	Southeastern	16	60,340	7,578	124,727	48,013			.....	.....
	4	East Central	14	40,414	13,504	162,320	104,447			.....	.....
	5	North Central	11	15,425	12,621	165,048	92,498			.....	.....
	6	West Central	93	1,579,804	652,823	6,420,310	6,456,340	6,888,000	8,504,000	.....	.....
	7	Southwestern	109	3,758,981	497,332	9,577,126	5,126,888	12,164,000	10,736,000	.....	.....
	8	Rocky Mountain	4	41,571	18,979	250,931	63,425	1,164,000	1,132,000	.....	.....
		Other Divisions	13	20,411	3,014	63,609	90,284	.....	.....	.....	.....
		United States	268	5,624,601	1,304,282	16,965,250	12,284,113	20,216,000	20,372,000	.....	.....
MILO	2	Middle Atlantic	2	32,250	50,000	114,444	130,750	**	**	.....	.....
	6	West Central	61	778,952	205,718	2,491,612	2,459,558			.....	.....
	7	Southwestern	107	3,143,482	618,329	9,527,575	9,067,171			.....	.....
	8	Rocky Mountain	4	21,084	6,820	185,460	100,319			.....	.....
	9	North Pacific	3	6,725	1,595	109,704	113,254			.....	.....
	10	South Pacific	12	130,216	150,323	340,865	306,390			.....	.....
		Other Divisions	24	58,322	8,933	80,210	81,971			.....	.....
		United States	213	4,171,031	1,041,718	12,849,870	12,259,413			.....	.....
FETERITA	4	East Central	8	209,889	81,956	317,339	311,008	**	**	.....	.....
	5	North Central	5	38,510	11,278	25,867	31,231			.....	.....
	6	West Central	55	494,311	20,605	1,201,775	1,402,252			.....	.....
	7	Southwestern	80	941,845	23,427	2,335,635	1,153,206			.....	.....
	8	Rocky Mountain	4	20,048	3,266	57,229	77,502			.....	.....
	10	South Pacific	12	90,831	54,721	253,316	257,917			.....	.....
		Other Divisions	16	18,915	4,564	24,822	17,443			.....	.....
		United States	180	1,814,349	199,817	4,215,983	3,250,559			.....	.....
OTHER GRAIN SORGHUMS	2	Middle Atlantic	2	1,000	200	111,200	142,600	**	**	.....	.....
	3	Southeastern	23	83,300	11,300	387,409	251,647			.....	.....
	6	West Central	34	652,430	243,750	2,512,964	6,259,124			.....	.....
	7	Southwestern	28	482,908	73,186	799,893	991,455			.....	.....
	10	South Pacific	7	24,652	6,713	90,270	116,367			.....	.....
		Other Divisions	17	117,179	12,997	78,196	61,751			.....	.....
		United States	111	1,371,469	288,146	3,979,932	7,823,544			.....	.....
WHITE OR IRISH POTATOES	1	North Atlantic	56	41,160	780	26,342,501	31,280,675	565,236,000	642,630,000	4.6	4.9
	2	Middle Atlantic	142	7,966,420	5,610,581	41,712,566	45,474,654	163,242,000	183,450,000	25.5	24.8
	3	Southeastern	295	1,029,423	296,765	50,658,588	36,277,476	69,144,690	56,694,000	73.3	64.
	4	East Central	61	245,330	89,130	10,390,894	9,517,933	402,396,000	428,676,000	2.6	2.2
	5	North Central	27	128,662	36,000	12,869,734	12,919,055	410,352,000	421,062,000	3.1	3.1
	6	West Central	37	6,720	.....	2,007,877	2,416,346	224,352,000	234,948,000	.9	1.
	7	Southwestern	180	527,190	106,860	45,202,689	30,356,701	72,252,000	56,400,000	62.5	53.8
	8	Rocky Mountain	8	500	.....	324,286	536,084	55,476,000	61,590,000	.6	.8
	9	North Pacific	16	2,500	.....	615,109	1,472,063	103,872,000	133,170,000	.6	1.1
	10	South Pacific	11	25,500	7,240	4,285,708	3,118,823	79,440,000	82,320,000	5.4	3.8
		United States	833	9,974,405	6,141,356	94,409,952	173,369,810	2,145,762,000	2,300,940,000	4.4	7.5
PEANUTS	2	Middle Atlantic	19	34,360	47,959	2,445,466	2,625,405	8,020,000	9,356,000	30.5	28.5
	3	Southeastern	121	239,715	118,714	3,525,075	2,858,141	22,440,000	20,357,000	15.7	14.
	7	Southwestern	40	70,482	45,883	621,405	632,217	19,363,000	16,780,000	3.2	3.8
		Other Divisions	29	13,652	10,847	43,567	50,778	.....	.....	.....	.....
		United States	209	357,609	223,403	6,635,517	6,166,841	49,823,000	46,493,000	13.2	13.3
COTTON SEED	2	Middle Atlantic	18	172,585	176,813	4,450,660	5,195,500	182,716,000	173,156,000	2.4	3.
	3	Southeastern	102	643,364	1,154,349	12,357,233	9,243,849	456,041,000	411,590,000	2.7	2.2
	7	Southwestern	48	141,084	373,505	5,124,112	5,537,288	514,714,000	496,278,000	1.	1.1
	10	South Pacific	4	176	20,068	71,435	5,950	5,597,000	3,958,000	1.3	.1
		Other Divisions	1	1,996	1,705	2,000	1,000	5,838,000	5,900,000	.....	
		United States	173	959,205	1,726,440	22,005,440	19,983,587	1,164,906,000	1,090,882,000	1.9	1.8
				Bushels.	Bushels.	Bushels.	Bushels.	Bushels.	Bushels.	Percent.	Percent.
SEED CORN	1	North Atlantic	68	38,725	24,916	606,158	370,636	702,000	676,000	86.3	54.8
	2	Middle Atlantic	34	2,695	1,007	132,161	95,797	2,147,000	2,129,000	6.1	4.5
	3	Southeastern	116	13,837	4,435	211,585	165,232	4,209,300	4,210,000	5.2	3.9
	4	East Central	105	19,575	68,768	348,083	344,313	3,897,000	4,014,000	9	8.6
	5	North Central	75	7,909	81,689	507,721	351,124	1,240,000	1,350,000	41	26
	6	West Central	103	19,404	12,908	970,761	749,004	4,430,000	5,027,000	22	15
	7	Southwestern	78	20,253	5,096	109,701	128,534	2,960,000	2,972,000	3.7	4.3
	8	Rocky Mountain	12	3,031	970	10,314	10,320	122,000	123,000	8.4	8.6
	9	North Pacific	16	2,312	1,926	18,698	22,190	43,000	38,000	4.3	5.7
	10	South Pacific	9	2,217	735	11,233	11,947	25,000	24,000	4.5	4.8
		United States	616	130,498	202,450	2,926,415	2,249,397	19,775,000	20,563,000	14.8	10.9

**The quantities indicated as required for planting kafir in Divisions 6, 7 and 8 and in the United States include all grain sorghums and not kafir alone.

*The quantities required for planting of seed winter oats, seed winter barley, and seed winter rye are included respectively in the figures given for seed spring oats, seed spring barley, and seed spring rye, and the figures showing percentage sold commercially represent the percentage of the total requirements of both spring and winter grain in each case.

CROP.	GEOGRAPHIC DIVISION. No.	Name.	Number Reporting	(a) Stock on Hand. July 1, 1918	(a) Stock on Hand. July 1, 1917	(b) Sales for Planting. 12 months ending July 1, 1918	(b) Sales for Planting. 12 months ending July 1, 1917	(c) Required for Planting. 1918	(c) Required for Planting. 1917	(d) Percentage Sold Commercially. 1918	(d) Percentage Sold Commercially. 1917
				Bushels.	Bushels.	Bushels.	Bushels.	Bushels.	Bushels.	Percent.	Percent.
SEED WHEAT, Spring	1	North Atlantic	43	4,823	757	86,510	23,712	154,000	115,000	56.1	20.6
	4	East Central	30	5,555	3,653	94,933	23,612	361,000	361,000	26.3	6.5
	5	North Central	61	2,533	4,388	383,972	238,295	21,394,000	18,244,000	1.8	1.3
	6	West Central	28	968	455	41,686	14,325	1,845,000	1,016,000	2.3	1.4
	8	Rocky Mountain	11	1,946	108	19,284	15,769	922,000	767,000	2.1	2.1
	9	North Pacific	38	1,333	895	307,034	171,538	5,896,000	4,847,000	5.0	3.5
	10	South Pacific	5	5,767	150	12,975	3,653	55,000	52,000	2.4	7.0
		Other Divisions	31	200	2,327	23,535	12,748	.....	.....	....	....
		United States	247	23,125	12,733	969,929	503,652	30,627,000	25,402,000	3.2	2.0
SEED WHEAT, Winter	1	North Atlantic	29	4,635	1,010	58,311	40,460	3,577,000	3,461,000	1.6	1.1
	2	Middle Atlantic	41	465	40	122,747	113,780	5,511,000	4,816,000	2.2	2.4
	3	Southeastern	37	7,115	175	213,436	185,812	1,698,000	1,079,000	12.5	17.2
	4	East Central	48	6,771	9,673	99,598	70,457	13,476,000	10,623,000	0.7	0.7
	5	North Central	11	1,119	761	7,938	7,079	390,000	440,000	2.0	1.6
	6	West Central	67	22,738	15,382	261,886	44,727	16,690,000	8,129,000	1.6	0.6
	7	Southwestern	43	4,656	2,048	54,267	36,600	4,550,000	5,574,000	1.2	0.7
	8	Rocky Mountain	5	443	741	8,582	4,583	1,271,000	1,076,000	0.7	0.4
	9	North Pacific	20	9,918	9,358	31,914	27,976	2,875,000	2,748,000	1.1	1.0
	10	South Pacific	9	60	230	9,566	7,698	652,000	585,000	1.5	1.3
		United States	310	57,920	39,419	867,345	539,172	50,690,000	38,531,000	1.7	1.4
SEED OATS, Spring	1	North Atlantic	61	11,191	6,701	344,612	295,488	*7,094,000	*6,721,000	4.9	4.4
	2	Middle Atlantic	95	17,215	6,040	230,725	193,984	2,410,000	2,100,000	29.1	28.1
	3	Southeastern	8	7,893	9,204	851,922	869,333	3,177,000	3,278,000	53.7	46.0
	4	East Central	84	27,419	8,753	382,430	393,831	24,986,000	24,010,000	1.7	1.9
	5	North Central	60	6,144	91,714	596,805	392,671	23,270,000	23,015,000	2.6	1.7
	6	West Central	92	13,338	3,403	648,257	231,286	30,310,000	30,638,000	2.2	0.8
	7	Southwestern	90	69,090	28,439	629,489	604,454	6,627,000	6,048,000	10.8	12.2
	8	Rocky Mountain	13	3,469	1,508	26,128	24,407	1,586,000	1,560,000	1.7	1.6
	9	North Pacific	33	9,680	17,622	128,085	84,387	3,638,000	3,647,000	4.1	2.9
	10	South Pacific	6	306	450	40,240	38,263	548,000	597,000	22.6	23.0
		United States	542	165,745	173,840	3,878,693	3,128,104	103,646,000	101,614,000	5.3	4.4
SEED OATS, Winter	2	Middle Atlantic	93	3,183	2,821	469,401	397,006	*	*	....	....
	3	Southeastern	13	45,154	15,774	854,266	637,482	.....	.....	....	....
	4	East Central	18	1,360	136	41,484	55,004	.....	.....	....	....
	7	Southwestern	29	3,513	497	84,564	134,522	.....	.....	....	....
	9	North Pacific	8	675	148	20,252	21,643	.....	.....	....	....
	10	South Pacific	11	4,478	238	83,525	99,141	.....	.....	....	....
		Other Divisions	12	1,235	195	17,791	14,785	.....	.....	....	....
		United States	184	59,598	19,809	1,571,283	1,359,583	.....	.....	....	....
SEED BARLEY, Spring	1	North Atlantic	37	11,444	2,521	61,999	45,883	*335,000	*297,000	20.2	17.7
	2	Middle Atlantic	4	2,330	547	2,039	1,215	33,000	30,000	32.8	27.2
	3	Southeastern	5	.....	.....	761	468	8,000	8,000	246.0	175.0
	4	East Central	39	13,836	6,527	75,561	57,420	671,000	514,000	16.2	17.0
	5	North Central	63	3,250	8,996	286,194	151,511	8,904,000	8,606,000	3.2	1.8
	6	West Central	37	3,908	532	30,251	40,481	2,538,000	2,375,000	1.2	1.7
	7	Southwestern	17	2,568	868	7,882	6,380	26,000	27,000	120.0	47.1
	8	Rocky Mountain	13	2,636	1,258	20,032	35,760	396,000	384,000	5.0	9.3
	9	North Pacific	30	4,654	6,349	34,112	47,866	1,116,000	1,133,000	3.1	4.2
	10	South Pacific	5	173	615	6,895	5,656	2,451,000	2,531,000	2.5	3.0
		United States	250	44,849	28,213	525,726	392,640	16,478,000	15,905,000	4.1	3.3
SEED BARLEY, Winter	1	North Atlantic	3	212	200	5,953	6,737	*	*	....	....
	2	Middle Atlantic	11	658	396	8,776	6,939	.....	.....	....	....
	3	Southeastern	20	1,647	1,200	18,928	13,571	.....	.....	....	....
	4	East Central	13	4,879	3,815	33,163	29,993	.....	.....	....	....
	7	Southwestern	17	2,858	287	23,226	6,343	.....	.....	....	....
	10	South Pacific	11	501	581	53,419	70,558	.....	.....	....	....
		Other Divisions	9	243	645	1,137	2,372	.....	.....	....	....
		United States	84	10,998	7,124	144,602	136,513	.....	.....	....	....
SEED RYE, Spring	1	North Atlantic	15	379	516	3,254	2,416	*704,000	*708,000	4.6	4.7
	2	Middle Atlantic	15	345	165	19,023	17,040	232,000	220,000	78.0	82.6
	3	Southeastern	21	391	1,278	18,906	19,808	34,000	31,000	303.0	395.0
	4	East Central	19	326	870	40,123	32,184	1,104,000	974,000	11.2	14.7
	5	North Central	21	464	226	15,043	8,610	4,783,000	3,188,000	1.1	2.4
	6	West Central	11	1,833	1,345	4,779	2,788	576,000	485,000	19.0	21.7
	7	Southwestern	11	35	.....	4,056	3,978	12,000	14,000	268.0	218.0
	8	Rocky Mountain	8	2,211	427	5,033	3,114	75,000	73,000	15.7	10.6
	9	North Pacific	12	78	316	7,481	9,144	87,000	70,000	19.6	17.8
	10	South Pacific	6	.....	40	8,477	4,906	.....	.....	....	....
		United States	139	6,062	5,183	126,175	103,988	7,608,000	5,763,000	8.8	12.5
SEED RYE, Winter	1	North Atlantic	27	2,990	1,695	29,407	30,868	*	*	....	....
	2	Middle Atlantic	55	2,156	510	161,795	164,558	.....	.....	....	....
	3	Southeastern	58	6,327	16,280	84,079	103,679	.....	.....	....	....
	4	East Central	49	2,509	863	83,428	110,710	.....	.....	....	....
	5	North Central	23	373	796	37,630	66,917	.....	.....	....	....
	6	West Central	38	13,974	4,980	104,267	102,271	.....	.....	....	....
	7	Southwestern	32	1,844	1,562	27,405	27,779	.....	.....	....	....
	8	Rocky Mountain	6	3,222	958	6,860	4,648	.....	.....	....	....
	9	North Pacific	11	2,639	597	9,542	3,347	.....	.....	....	....
	10	South Pacific	5	642	211	2,652	3,326	.....	.....	....	....
		United States	304	36,676	28,452	547,067	618,103	.....	.....	....	....
SEED FLAX	4	East Central	6	465	3,794	5,495	6,456	.....	.....	....	....
	5	North Central	48	2,754	1,920	91,288	72,938	681,000	678,000	13.4	10.8
	6	West Central	10	275	680	2,782	2,080	37,000	36,000	7.5	5.8
	9	North Pacific	3	2,138	217	4,303	4,769	289,000	211,000	1.5	2.3
		Other Divisions	9	1,877	715	3,568	2,265	2,000	2,000	....	....
		United States	76	7,509	7,326	107,436	88,508	1,009,000	927,000	10.6	9.5
SEED BUCKWHEAT	1	North Atlantic	46	8,693	3,136	33,280	35,192	765,000	745,000	4.2	4.7
	2	Middle Atlantic	22	15,203	8,784	24,958	21,457	108,000	104,000	23.1	20.6
	3	Southeastern	8	837	195	1,899	1,329	4,000	4,000	47.5	33.2
	4	East Central	58	37,023	45,879	99,165	140,342	86,000	81,000	115.3	173.7
	5	North Central	39	20,368	9,727	54,388	50,302	28,000	28,000	192.6	188.7
	6	West Central	29	24,211	11,999	17,311	15,721	20,000	15,000	88.8	100.0
		Other Divisions	13	218	208	1,463	2,062	.....	.....	....	....
		United States	215	106,553	79,928	232,464	266,405	1,011,000	976,000	23.0	27.3

Seed Report for Canada

COMMERCIAL STOCKS, RECEIPTS, AND EXPORTS.

SEED SURVEY OF JULY 1, 1918, CONDUCTED AND REPORTED BY THE SEED BRANCH, DEPARTMENT OF AGRICULTURE, OTTAWA, CANADA.

VEGETABLE AND ROOT CROP SEEDS.

ITEM.		STOCK ON HAND.		TOTAL RECEIPTS.		EXPORTS.	
		July 1, 1918.	July 1, 1917.	For 12 mos. ending July 1. 1918.	For 12 mos. ending July 1, 1917.	For 12 mos. ending July 1, 1918.	For 12 mos. ending July 1, 1917.
Name.	No.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.
Beans—Dwarf snap	1	196,067	164,643	436,605	378,556	38,520	7,320
Beans—Garden pole (not including Lima)	2	15,857	22,579	17,932	24,355	.....	.....
Beet—Garden (O. S.)	3	49,581	36,966	29,702	52,957	.....	.....
Beet—Garden (Am.)	4	20,640	5,891	22,338	8,100	.....	.....
Beet—Mangel (O. S.)	5	307,125	281,126	145,660	197,154	.....	.....
Beet—Mangel (Am.)	6	8,523	11,045	4,588	3,832	.....	.....
Beet—Sugar (O. S.)	7	508,237	807,379	25,854	190,139	.....	.....
Beet—Sugar (Am.)	8	46,171	1,965	50,180	27,794	.....	.....
Cabbage (O. S.)	9	9,497	11,945	4,529	5,978	.....	.....
Cabbage (Am.)	10	5,512	3,324	7,883	7,286	.....	.....
Carrot	11	40,366	24,893	52,995	37,809	.....	.....
Cauliflower	12	681	1,089	831	1,529	.....	.....
Celery (O. S.)	13	1,661	1,771	512	912	.....	.....
Celery (Am.)	14	1,355	853	1,299	1,359	.....	.....
Cucumber	15	32,114	32,365	31,612	43,788	.....	.....
Kale	16	1,701	1,169	1,384	2,027	.....	.....
Lettuce	17	19,829	16,168	20,668	21,583	.....	.....
Muskmelon	18	3,980	3,128	2,497	3,239	.....	.....
Watermelon	19	6,520	4,684	4,669	5,794	.....	.....
Onion seed (O. S.)	20	2,411	1,101	4,279	3,560	.....	.....
Onion seed (Am.)	21	29,407	35,187	48,615	77,440	.....	.....
Onion sets	22	.....	.....	2,445,450	1,885,459	.....	.....
Parsley	23	3,331	2,924	3,039	3,537	.....	.....
Parsnip	24	2,072	4,694	10,082	12,528	.....	.....
Peas—Garden	25	694,822	472,812	10,294,051	8,018,691	4,240.579	3,812,229
Pepper	26	558	535	507	496	.....	.....
Pumpkin	27	9,404	5,727	9,786	5,668	.....	.....
Radish (O. S.)	28	18,241	23,637	10,935	17,997	.....	.....
Radish (Am.)	29	22,546	22,260	26,461	23,165	.....	.....
Salsify	30	760	394	1,106	451	.....	.....
Spinach (O. S.)	31	9,865	4,904	11,531	6,128	.....	.....
Spinach (Am.)	32	1,165	306	2,522	736	662	.....
Squash—Summer	33	4,382	3,073	3,078	2,560	.....	.....
Squash—Winter	34	3,061	4,293	3,557	4,869	.....	.....
Sweet corn	35	57,192	119,531	219,009	301,147	.....	.....
Tomato	36	4,759	4,426	4,541	5,447	.....	.....
Turnip—English	37	124,170	54,793	48,968	32,674	.....	.....
Turnip—Swede (O. S.)	38	206,173	215,382	253,811	346,698	13,004	.....
Turnip—Swede (Am.)	39	2,509	1,009	7,238	5,758	.....	.....

Note.—In the above list the abbreviation "O. S." means seeds from overseas; "Am." means seeds grown in the American Continent.

FIELD SEEDS.

ITEM.		STOCK ON HAND.		TOTAL RECEIPTS.		EXPORTS.	
		July 1, 1918.	July 1, 1917.	For 12 mos. ending July 1, 1918.	For 12 mos. ending July 1, 1917.	For 12 mos. ending July 1, 1918.	For 12 mos. ending July 1, 1917.
Name.	No.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.
Red clover	1	774,991	1,062,941	5,852,850	8,770,294	639,059	1,369,141
Alsike clover	2	1,074,670	781,674	10,412,610	10,731,500	5,038,735	5,385,253
White clover	3	41,387	40,604	83,029	98,844	17,479	825
Crimson clover	4	8,123	9,301	5,488	12,826	.....	.....
Sweet clover	5	225,214	237,478	1,162,703	528,260	103,769	87,552
Alfalfa	6	180,939	189,102	728,480	754,157	2,432	6,000
Timothy	7	3,770,816	3,225,461	13,795,379	16,113,994	436,146	146,039
Redtop	8	101,611	55,044	157,899	113,790	.....	.....
Orchard grass	9	26,299	37,218	53,214	77,321	.....	.....
Kentucky bluegrass	10	72,162	84,138	59,390	116,129	.....	6,720
Canada bluegrass	11	233,333	129,239	1,629,445	975,993	939,925	477,088
Bromus inermis	12	4,716	5,398	215,580	368,470	.....	.....
Western rye grass	13	54,711	89,485	382,211	742,011	.....	.....
Meadow fescue	14	7,148	7,210	20,196	21,174	.....	.....
Common (spring) vetch	15	426,749	437,001	791,572	719,782	46,820	8,400
Hairy (winter) vetch	16	39,794	21,420	81,931	80,103	17,544	26,973
Common or broomcorn millet	17	176,702	145,766	337,958	500,843	.....	.....
*Foxtail millet	18	239,017	292,194	315,484	796,694	.....	47,744
Barnyard millet	19	36,193	34,351	48,992	49,400	.....	.....
Rape	20	152,770	185,198	286,316	315,881	.....	.....

*Foxtail millet, as here used, includes Golden, Hungarian, Siberian, and others of the foxtail type.

Market Notes.

Chicago, Ill.—The receipts of clover seed on the Chicago market have been very small because of the short crop and delays in threshing caused by rainy weather. On September 27 prices of $35 per 100 pounds for good country-run red clover, and $23 to $26 for alsike were reported as being paid to shippers. The demand for clover seed in the east and southeast has been good.

The receipts of timothy seed have been about the same as last year, but less trading seems to have been done on the Chicago Board of Trade. The demand has been good from the smaller dealers but rather indifferent from the larger concerns. Shippers are being paid about $9 per 100 pounds. The quality of the seed in Iowa, Missouri, and Illinois is reported good; in Ohio and Indiana poor; and in Minnesota and Wisconsin very poor.

Timothy, Clover and Alfalfa Seed Prices.

In the accompanying table are given: The average prices per 100 pounds that are being paid to growers for timothy, red, alsike and sweet clover, and alfalfa seed, for country-run and for clean (or basis clean) seed; and the average wholesale and retail selling prices of seedsmen per 100 pounds for these seeds. These prices were obtained about September 20, 1918, in response to inquiries sent to seed shippers, seedsmen and county reporters. It will be noted that many spaces are left blank opposite those States where little or no seed of the kinds included in the table is grown, or where the reports varied considerably, largely because the seed had not started to move freely from growers' hands, and prices, therefore were not well established.

Though the table indicates the difference in price being paid to growers and that charged by seedsmen, this difference does not take into account the difference in quality between seed as it comes from the grower and from the seedsman. To the price paid growers, must be added transportation, cleaning, grading, sacking, buying and selling expenses, etc., in order to arrive at the ultimate cost of the seed to the seedsman. The spread therefore does not represent the seedsman's profit but is given in order to indicate, in general, dealers' buying and selling prices. In many cases there is a considerable range in these prices because of the marked difference in quality of seeds from various sections and of the best grades offered by seedsmen. It is to be expected, therefore, that the price paid to a grower and an individual seedsman's selling price may be considerably higher or lower than those shown in the table.

Reports have been received for the following kinds of seed not included in the table. Prices quoted are per 100 pounds for the best qualities or grades on September 20.

White Clover.—Growers were receiving for white clover about $42 on a basis of clean seed. Best grades were being quoted wholesale by seedsmen at about $50.

Kentucky Bluegrass.—Cleaners and shippers in Kentucky were receiving about $19.75 for 19-pound seed. Heavier seed in Missouri and Iowa was being bought of country shippers at about $22.50. Seedsmen were quoting recleaned seed wholesale at $20 to $25, depending upon the weight of the seed and the locality.

Redtop.—Growers were being paid $10 to $11 for redtop, and seedsmen were quoting recleaned seed wholesale at $12.50 to $14.

Orchard Grass.—About $18 was being paid to growers on a basis of clean seed, and seedsmen in producing sections were asking $21 to $23 for the best grade.

Meadow Fescue.—Country shippers were paid about $20 for clean seed. Fancy seed was being quoted at $22 to $24.

TIMOTHY, CLOVER, AND ALFALFA SEED PRICES.

(All Prices in Dollars Per 100 Pounds.)

STATE OR DIVISION.	Timothy.				Red Clover.				Alsike Clover.			
	Average price paid to grower for		Seedsmen's selling price for best grade.		Average price paid to grower for		Seedsmen's selling price for best grade.		Average price paid to grower for		Seedsmen's selling price for best grade.	
	Country-run.	Clean.	Wholesale.	Retail.	Country-run.	Clean.	Wholesale.	Retail.	Country-run.	Clean.	Wholesale.	Retail.
Ohio	9.00	10.00	11.00	12.50	28.00	32.00	38.50	40.00	.....	.....	30.25	31.50
Indiana	9.50	10.00	10.50	11.75	27.50	33.50	37.00	38.50	.....	.....	29.75	30.50
Illinois	8.00	9.00	11.00	12.00	28.90	33.00	38.00	40.00	25.00	26.00	29.50	30.00
Kentucky	9.00	10.00	10.50	11.00	30.00	36.00	36.50	38.50	.....	.....	27.50	28.50
Michigan	8.00	9.25	10.50	12.00	31.00	32.50	38.00	40.00	.....	.....	28.50	31.00
Wisconsin	8.50	9.25	11.00	11.75	31.00	34.00	36.00	41.00	23.50	25.00	29.50	32.00
Minnesota	7.50	8.00	10.00	11.00	30.75	33.75	38.00	40.00	.....	.....	30.50	32.00
North Dakota	7.50	8.00	9.75	10.50	.....	.....	.....	.....	.....	.....	.....	.....
South Dakota	7.00	7.50	10.00	11.75	.....	.....	.....	.....	.....	.....	.....	.....
Iowa	8.65	9.00	10.25	10.75	26.50	30.75	33.25	35.75	21.00	29.00	27.25	29.25
Missouri	8.25	9.25	10.40	11.00	25.00	28.75	33.75	36.25	.....	.....	28.25	29.25
Nebraska	8.00	9.25	10.20	12.25	.....	.....	.....	.....	.....	.....	.....	.....
Kansas	8.00	9.00	10.50	11.00	.....	.....	.....	.....	.....	.....	.....	.....
Oklahoma	....	....	10.00	11.75	.....	.....	.....	.....	.....	.....	.....	.....
Colorado	....	....	10.75	12.25	.....	.....	.....	.....	.....	.....	.....	.....
N. Pacific Division	8.00	9.00	11.25	12.50	27.50	31.00	35.50	37.50	23.50	25.00	30.50	33.00

STATE OR DIVISION	Sweet Clover.				Alfalfa.			
	Average price paid to grower, per 100 pounds, for		Seedsmen's selling price per 100 pounds for best grade.		Average price paid to grower, per 100 pounds, for		Seedsmen's selling price per 100 pounds for best grade.	
	Country-run	Clean	Wholesale	Retail	Country-run	Clean	Wholesale	Retail
Ohio	.....	.....	25.00	27.00	.....	.....	20.50	21.50
Indiana	.....	.....	21.50	24.00	.....	.....	20.00	21.00
Illinois	.....	.....	25.00	30.00	.....	.....	19.50	21.50
Kentucky	.....	.....	13.50*	15.00*	.....	.....	19.50	21.00
Michigan	.....	.....	15.00*	18.00*	.....	.....	19.00	21.50
Wisconsin	.....	.....	22.00	28.00	.....	.....	19.50	21.00
Minnesota	.....	.....	24.00	30.00	.....	.....	22.50	24.50
North Dakota	.....	.....	27.00	29.00	.....	.....	22.75	24.00
South Dakota	.....	.....	23.00	30.00	16.00	17.00	22.00	28.00
Iowa	.....	.....	21.25	24.25	.....	.....	18.75	20.50
Missouri	.....	.....	23.00	30.00	.....	.....	20.00	22.00
Nebraska	15.00	17.00	24.25	26.00	12.75	15.00	18.75	21.25
Kansas	14.25	17.50	21.25	22.00	12.50	14.50	18.75	20.00
Oklahoma	19.00	20.00	24.50	26.50	14.50	16.50	18.50	21.00
Colorado	16.00	18.00	26.75	27.75	15.00	17.75	20.50	23.25
N. Pacific Division	16.00	17.00	30.00	31.50	16.00	17.00	22.75	25.50

*Prices given for sweet clover seed are for white flower and *hulled* seed, except in Kentucky and Michigan, where prices are for white flower, *unhulled* seed.

Note.—Alfalfa prices are for central and southern-grown seed, except in the Dakotas, Minnesota, and the North Pacific Division.

Market Conditions.

Milwaukee, Wis.—Red and alsike clover seed have not been moving freely from growers' hands at $32.50 to $35 per 100 pounds for red, and $23 to $26.50 for alsike. The demand for red and alsike clover has been good from the smaller dealers but only fair from the larger dealers, who appear to be unwilling to stock heavily at the prevailing high prices. White clover, however, has been marketed freely by growers and country shippers at $43 to $46 for 100 pounds, basis clean seed, and the demand from dealers has been fairly good.

Timothy seed has been offered freely by country shippers at $8.25 to $9.50 for the better lots and the local demand has been very good. The quality of the seed is not so good as that of last year, being badly hulled, discolored, and weedy.

Canada field peas are being bought from the growers at $5 per 100 pounds; dried green peas at $7 to $7.50; and Scotch peas at $8. These kinds are being quoted recleaned f. o. b. cars, bags included, at $5.75, $8.50 and $9.50 per 100 pounds, respectively. The domestic demand for peas is not brisk and there appeared to be very little export demand the last week in September.

AVERAGE DIFFERENCE BETWEEN THE PRICE AT WHICH STOCKS WERE SOLD FOR SEED AND THE PRICE AT WHICH THEY WERE SOLD FOR FOOD, FEED, OR MANUFACTURING PURPOSES, AS REPORTED IN THE SEED SURVEY OF JULY 1, 1918.

In the Seed Survey of July 1 dealers were requested to give, for field seeds of those kinds commonly used for food, feed, or manufacturing purposes, the average difference between the price at which stocks were sold by them for planting purposes and the local selling price at the time of their sales for best qualities of the same commodities for food, feed, or manufacturing purposes for 12 months ending July 1, 1918, and for 12 months ending July 1, 1917.

It was found impracticable to use the figures given for edible beans because there is no apparently consistent variation in the difference in price. As it may not be necessary to put these through any recleaning process other than that required in preparing them for food purposes, no additional expense may be incurred in preparing them for seed. In some cases reports indicate that these were sold for seed at a price which was lower than the local market price for food purposes, while other reports show a difference in price favorable to seed stocks. Practically the same situation exists with reference to the figures given for soy beans, cowpeas, Canada field peas, and peanuts.

The figures in the following table represent the average difference (expressed in cents per hundred pounds for the grain sorghums, white or Irish potatoes, and cotton seed; and cents per ushel for seed corn and the seed grains) between the price at which stocks were sold for seed and the local selling price for food, feed, or manufacturing purposes during each of the twelve month periods ending July 1, 1918, and July 1, 1917. The average is given for each of the ten geographic divisions, and for the United States as a whole.

It will be noted that figures are given for kafir, milo, feterita, and other grain sorghums for divisions six and seven only. This is because of the fact that comparatively small quantities of the grain sorghums are handled in other divisions and the small number of reports received from those divisions is not sufficient to enable us to obtain a correct average.

The average difference in price given represents the weighted average, not the general average, which was arrived at by giving proper weight to each individual report in proportion to the quantity of each kind of seed sold and the average difference in price given by the dealer reporting.

(See table at bottom of page.)

IMPORTS OF FORAGE PLANT SEEDS PERMITTED ENTRY INTO THE UNITED STATES.

Under the Seed Importation Act.

Compiled by the Seed Laboratory of the Bureau of Plant Industry, United States Department of Agriculture.

KIND OF SEED.	Month of September.		3 mos. ending September 30.	
	1918	1917	1918	1917
	Pounds.	Pounds.	Pounds.	Pounds.
Alfalfa	22,000	100	.....	24,500
Bluegrass—				
Canada	48,700	47,200	.....	47,300
Kentucky	.....	.....	.....	3,700
Clover—				
Alsike	801,800	105,500	1,050,200	199,900
Crimson	44,000	182,000	154,100	799,900
Red	.....	.....	43,600	33,700
White	.....	.....	.....	46,800
Clover Mixtures—				
White and alsike	.....	.....	30,000	30,200
Millet—				
Broom corn	.....	18,600	.....	218,500
Hungarian	.....	.....	.....	9,000
Orchard Grass	.....	.....	.....	57,600
Rape	.....	285,000	151,900	1,098,100
Redtop	.....	.....	.....	1,300
Rye Grass—				
English	44,800	41,600	190,600	296,100
Italian	.....	42,300	15,700	162,900
Timothy	5,900	.....	40,400	100
Vetch—				
Hairy	133,000	36,100	167,100	178,300

KIND OF SEED.	1 North Atlantic Division.		2 Middle Atlantic Division.		3 Southeastern Division.		4 East Central Division.		5 North Central Division.		6 West Central Division.	
	1918	1917	1918	1917	1918	1917	1918	1917	1918	1917	1918	1917
	cts. per 100 lbs.		cts. per 100 lbs.		cts. per 100 lbs.		cts. per 100 lbs.		cts. per 100 lbs.		cts. per 100 lbs.	
Kafir	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	69	56
Milo	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	59	55
Feterita	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	97	79
Other grain sorghums	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	66	52
Potatoes, Irish	83	114	69	47	87	79	91	45	19	24	64	92
Cotton seed	.....	.....	179	152	195	217	.....	.....	.....	.....	.....	.....
	cts. per bu.		cts. per bu.		cts. per bu.		cts. per bu.		cts. per bu.		cts. per bu.	
Seed corn	123	78	104	76	51	48	275	67	245	136	161	69
Wheat—Spring	33	58	45	32	42	25	48	38	28	32	84	50
Wheat—Winter	86	74	30	27	16	17	37	42	41	38	19	41
Oats—Spring	30	27	17	16	8	7	12	14	13	15	10	14
Oats—Winter	25	25	13	13	18	15	6	7	.....	.....	.....	.....
Barley—Spring	38	37	25	25	.....	.....	36	23	29	22	36	46
Barley—Winter	.....	.....	10	5	21	15	30	14	.....	.....	48	41
Rye—Spring	40	51	0	0	43	32	42	12	32	29	63	100
Rye—Winter	41	45	5	3	42	42	21	16	17	20	19	19
Seed flax	.....	.....	.....	.....	.....	.....	29	28	56	62	30	27
Buckwheat	46	38	12	19	.....	.....	30	29	42	47	58	53

KIND OF SEED.	7 Southwestern Division.		8 Rocky Mountain Division.		9 North Pacific Division.		10 South Pacific Division.		Average for United States.	
	1918	1917	1918	1917	1918	1917	1918	1917	1918	1917
	cts. per 100 lbs.		cts. per 100 lbs.		cts. per 100 lbs.		cts. per 100 lbs.		cts. per 100 lbs.	
Kafir	63	80	.....	.....	.....	.....	.....	.....	65	67
Milo	62	69	.....	.....	.....	.....	.....	.....	61	66
Feterita	85	63	.....	.....	.....	.....	.....	.....	89	71
Other grain sorghums	25	51	.....	.....	.....	.....	.....	.....	54	52
Potatoes, Irish	125	86	55	47	46	56	64	66	86	72
Cotton seed	116	106	.....	.....	.....	.....	254	283	173	167
	cts. per bu.		cts. per bu.		cts. per bu.		cts. per bu.		cts. per bu.	
Seed corn	97	83	127	124	231	105	149	158	155	79
Wheat—Spring	52	24	59	50	12	14	41	29	29	28
Wheat—Winter	18	32	17	27	24	20	22	12	26	31
Oats—Spring	6	6	27	25	15	13	25	26	12	12
Oats—Winter	11	5	.....	.....	18	15	20	16	16	14
Barley—Spring	26	35	23	22	20	17	35	34	32	29
Barley—Winter	43	34	.....	.....	.....	.....	8	8	22	12
Rye—Spring	22	28	9	7	44	35	43	48	34	19
Rye—Winter	28	32	34	28	29	37	23	39	20	18
Seed flax	.....	.....	.....	.....	51	50	.....	.....	52	58
Buckwheat	.....	.....	.....	.....	.....	.....	.....	.....	44	37

Buy Bonds—4th Liberty Loan